Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/13/2021 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124649	-1	1.24	124590	1.19
Blue	F	SSC	125000	124177	-1	2.64	124478	2.48
Blue	E	FITC	14400	13992	-3	2.27	323	15.68
Blue	D	PE	24713	24570	-1	1.66	564	10.86
Blue	B	PerCP-Cy5-5	31796	31123	-3	3.11	1032	14.95
Blue	A	PE-Cy7	21240	21170	-1	5.22	565	29.13
Red	C	APC	41319	40973	-1	2.89	1716	11.14
Red	A	APC-Cy7	21019	20632	-2	3.18	787	11.13
Violet	B	V450	7305	7087	-3	3.61	428	12.27
Violet	A	V500	28652	27524	-4	3.21	686	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23621	1.16	568	-1	N/A	N/A	Pass
Blue	F	SSC	57763	1.16	520	8	N/A	N/A	Pass
Blue	E	FITC	59	52.95	494	3	0.0388	39	Pass
Blue	D	PE	119	37.06	492	5	0.4018	316	Pass
Blue	B	PerCP-Cy5-5	191	35.41	588	4	0.0182	0	Pass
Blue	A	PE-Cy7	111	72.23	636	6	0.0227	18	Pass
Red	C	APC	398	23.29	573	0	0.0294	180	Pass
Red	A	APC-Cy7	175	26.40	544	-1	0.0069	1146	Pass
Violet	B	V450	61	64.56	458	2	0.0809	3436	Pass
Violet	A	V500	99	33.76	471	1	0.0264	808	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.49	-31.23	0.99
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.43
Red	19.42	15.99 - 23.99	N/A	N/A	29.68	29.94	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11419

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments